

Claims

1. Packaging machine (1), especially vertical-type packaging machine, for producing tubular bags (2) from a foil (22) web, wherein the machine (1) comprises a shaping shoulder (3), an edge forming means (31) and one special sealing means (5), characterized in that the special sealing means (5) is provided to apply to the foil (22) both a longitudinal seal (24) and an edge seal (25) in a direction parallel to the direction of flow (21) of the foil (22), wherein the special sealing means (5) is provided such that the longitudinal seal (24) and the edge seal (25) are applied at least almost simultaneously and at essentially the same height (52).
2. Machine (1) according to claim 1, characterized in that the special sealing means (5) comprises a first part (5a) and a second part (5b), wherein the first part (5a) is provided to apply the longitudinal seal (24) and wherein the second part (5b) is provided to apply the edge seal (25).
3. Machine (1) according to any of the preceding claims, characterized in that the first part (5a) and the second part (5b) are provided at a common height of the machine (1) along the direction of flow (21) of the foil (22).
4. Machine (1) according to any of the preceding claims, characterized in that the first part (5a) and the second part (5b) is actuated by a common actuator (5c).
5. Machine (1) according to any of the preceding claims, characterized in that the first part (5a) and/or the second part (5b) are connected to the actuator by a coupling means (5d).
6. Machine (1) according to any of the preceding claims, characterized in that the longitudinal seal (24) is applied to the margins (23a, 23b) of the foil (22) or in the vicinity of the margins (23a, 23b) of the foil (22).

7. Machine (1) according to any of the preceding claims, characterized in that the edge seal (25) is applied in the vicinity of the longitudinal seal (24).
8. Machine (1) according to any of the preceding claims, characterized in that the shaping shoulder (3) is provided asymmetrically.
9. Machine (1) according to any of the preceding claims, characterized in that the machine comprises edge sealing means (51) provided to apply to the foil further edge seals (26), wherein the longitudinal seal (24), the edge seal (25) and the further edge seals (26) are applied almost simultaneously and in a common plane (52) perpendicular to the direction of flow (21) of the foil (22).
10. Method of producing tubular bags (2) from a foil (22) web transported through a packaging machine (1), especially a vertical-type packaging machine, wherein a longitudinal seal (24) and an edge seal (25) is applied to the foil (22) in a direction parallel to the direction of flow (21) of the foil (22), characterized in that the longitudinal seal (24) and the edge seal (25) are applied almost simultaneously and in a common plane (52) perpendicular to the direction of flow (21) of the foil (22).
11. Method according to claim 10, characterized in, that one margin (23a, 23b) is folded prior to applying the longitudinal seal.